

Vacuolar H⁺-ATPase as target to restore cardiac function in the diabetic heart

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Propositions

accompanying the dissertation

Vacuolar H⁺-ATPase as target to restore cardiac function in the diabetic heart

Shujin Wang

Maastricht, September 8, 2020

1. Vacuolar H⁺-ATPase integrates nutritional information in the heart (*this thesis*).
2. Assembly of vacuolar H⁺-ATPase is a suitable target to rebalance cardiac substrate utilization in the heart (*this thesis*).
3. Sugar prevents fatty acid uptake in the heart (*this thesis*).
4. Ketone bodies cause cardiac insulin resistance (*this thesis*).
5. Amino acid treatment is an effective therapy for the diabetic heart.
6. Physiology is the logic of life, and control mechanisms are the key to the regulation of this logic (*Lionel H. Opie, 1998*)
7. Metabolism is the common language interpreted by the different organs.
8. *Prof. Patrice D. Can's* slogan "[In Gut we Trust](#)" can be understood as a contribution of the gut to cardiac metabolic health.
9. 在生活中，我们尝试及努力后，无论结果与否，你至少收获了。
After we do our best at being our best, whatever the outcome there is always a benefit.
10. 不以物喜，不以己悲（*范仲淹*）。
Not become attached to material things, not to pity oneself (*Zhongyan Fan*).
11. 良好的性格似浩瀚海洋包罗万象，凝聚的团队犹如天空让我们像雄鹰自由翱翔。
Good personality is an ocean that contains countless creatures, and good team is a sky that allows us to fly freely, like an eagle.